

**TECHNICAL DATA SHEET**
**Product Description:**

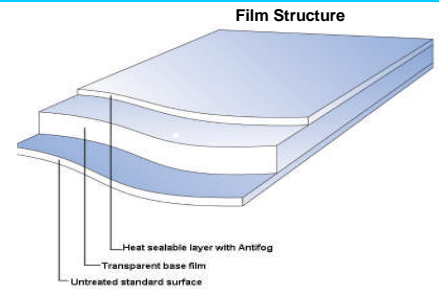
F-HSA is a co-extruded polyester film. It is one side sealable surface with Antifog properties and other side untreated

**Applications:**

Hot & cold antifog application  
 Foods trays sealing  
 Tack seal application

**Key Features:**

Very good clarity & transparency  
 Excellent machinability & handling properties  
 Seal to itself, APET, CPET & PVDC  
 Does Not seal against PE, PP & PS



PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE				
			15	20	23	30	
THICKNESS	Internal	Micron (Gauge)	15 60	20 80	23 92	30 120	
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	1.4	
GRAMMAGE	Internal	gm/m <sup>2</sup>	21.4	28	32.2	42	
YIELD	Internal	m <sup>2</sup> /kg in <sup>2</sup> /lb	47.6 33550	35.7 25159	31 21876	23.8 16768	
TREATMENT LEVEL # (Sealable Side) (Min)	D-2578	dyne/cm	40	40	40	40	
COEFF OF KINETIC FRICTION (One side / Other side) (Max)	D-1894	-	0.50	0.50	0.50	0.50	
HAZE (Max)	D-1003	%	5.5	6.5	7.0	7.5	
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	1700	1600	1600	1600
	TD*			1900	2000	2000	2000
TENSILE STRENGTH AT BREAK	MD*	D-882	(Psi)	24200	22700	22700	22700
	TD*			27000	28500	28500	28500
ELONGATION AT BREAK	MD	D-882	%	115	120	120	120
	TD			85	90	90	90
HEAT SEAL TEMP. RANGE (service temp.)	FIN SEAL	Internal	°C	110 - 200	120 - 200	120 - 200	120 - 200
SEAL STRENGTH (120°C, 1 sec, 2.8 bar)	FIN SEAL	D-882	gms/25mm	500	600	600	700
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	MD	D-1204	%	3.0			
	TD			1.0			
W.V.T.R.(38°C & 90%RH)	F-1249	D-3985	gm/m <sup>2</sup> /day	40	35	30	25
			(gm/100in <sup>2</sup> /day)	2.6	2.3	2	1.6
O.T.R. (23°C & 0%RH)	D-3985	D-3985	cc/m <sup>2</sup> /day	110	90	80	75
			(cc/100in <sup>2</sup> /day)	7.1	5.8	5.2	4.8
AVAILABLE WIDTH (Max.)	-	-	mm	1250			

Ref no QAD UFLI S/16 -F66/1

\*MD = MACHINE DIRECTION \*TD = TRANSVERSE DIRECTION

# The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

**STORAGE & HANDLING:**

FLEXPET™ need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35°C in dry place. FLEXPET™ is suitable for use within 9 month from date of manufacturing, only if material is stored in recommended condition.

**FOOD CONTACT:**

FLEXPET™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

**DISCLAIMER:**

It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. Flex Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information

\*\*TDS issued on 24-05-2016.

Website: [www.flexfilm.com](http://www.flexfilm.com)